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(54) Title: METHOD OF PURIFYING A GAS STREAM CONTAMINATED BY CO₂ AND ONE OR MORE HYDROCARBONS
AND/OR NITROGEN OXIDES BY ADSORPTION ON AN AGGREGATED ZEOLITIC ADSORBENT

(57) Abstract: The present invention relates to a novel method of purifying a gas stream contaminated by CO₂, hydrocarbons and/or
nitrogen oxides, in particular a gas stream based an air or a syngas, by adsorption an a bed of aggregated zeolitic adsorbent based an
an LSX zeolite or LSX and X zeolites, of which at least 90% of the exchangeable cationic sites of the LSX zeolite or of the LSX/X
zeolite blend are occupied by sodium Ions, and the inert binder of which represents at most 5% of the weight of the adsorbent.

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